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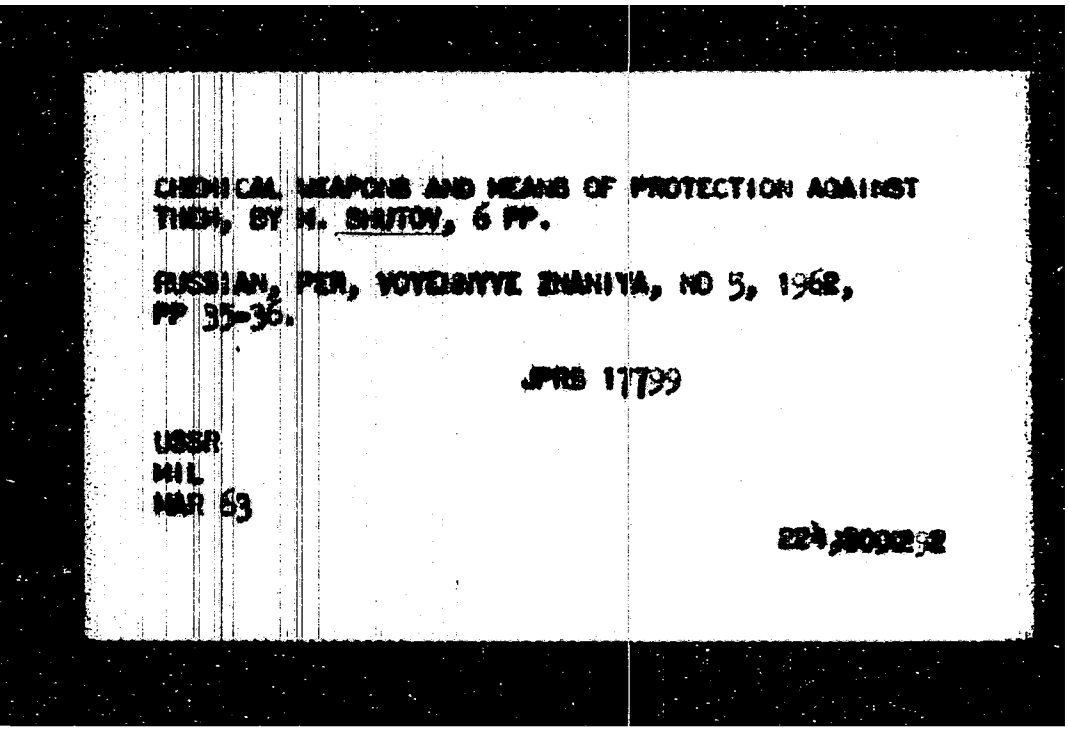

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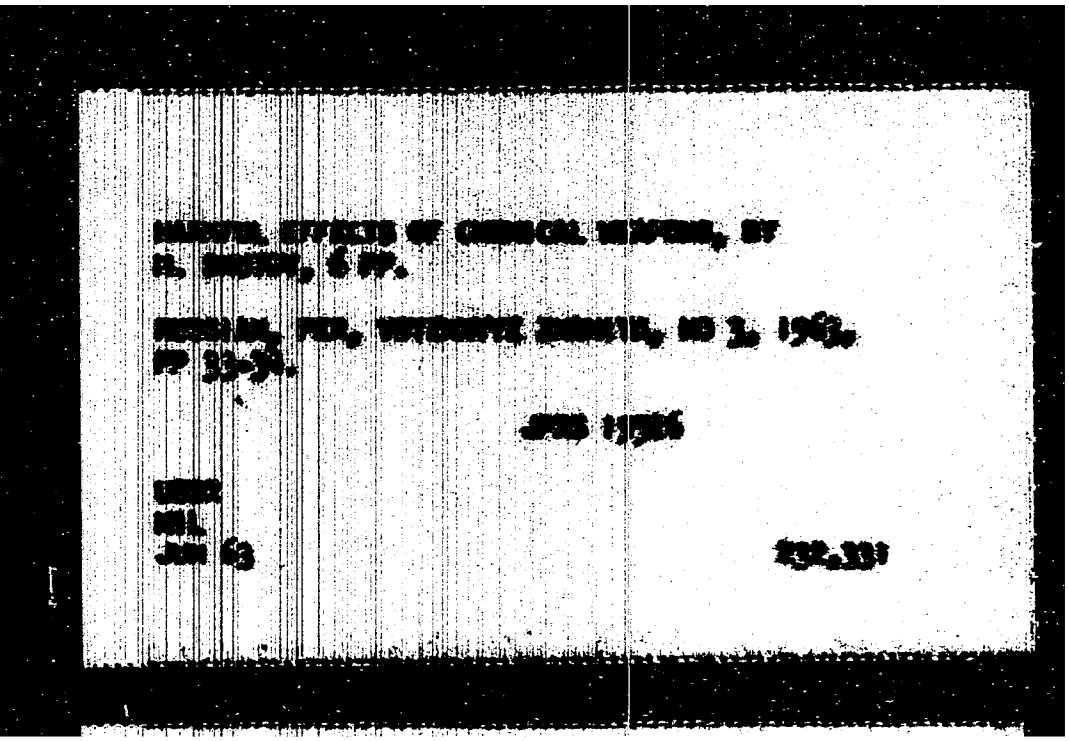

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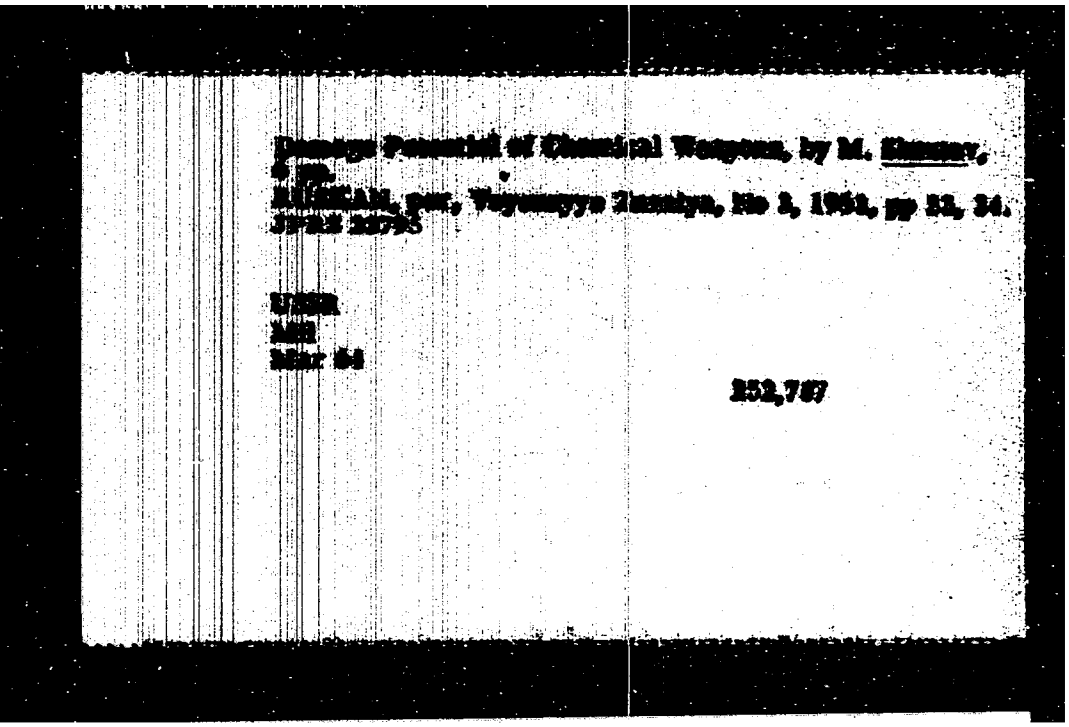

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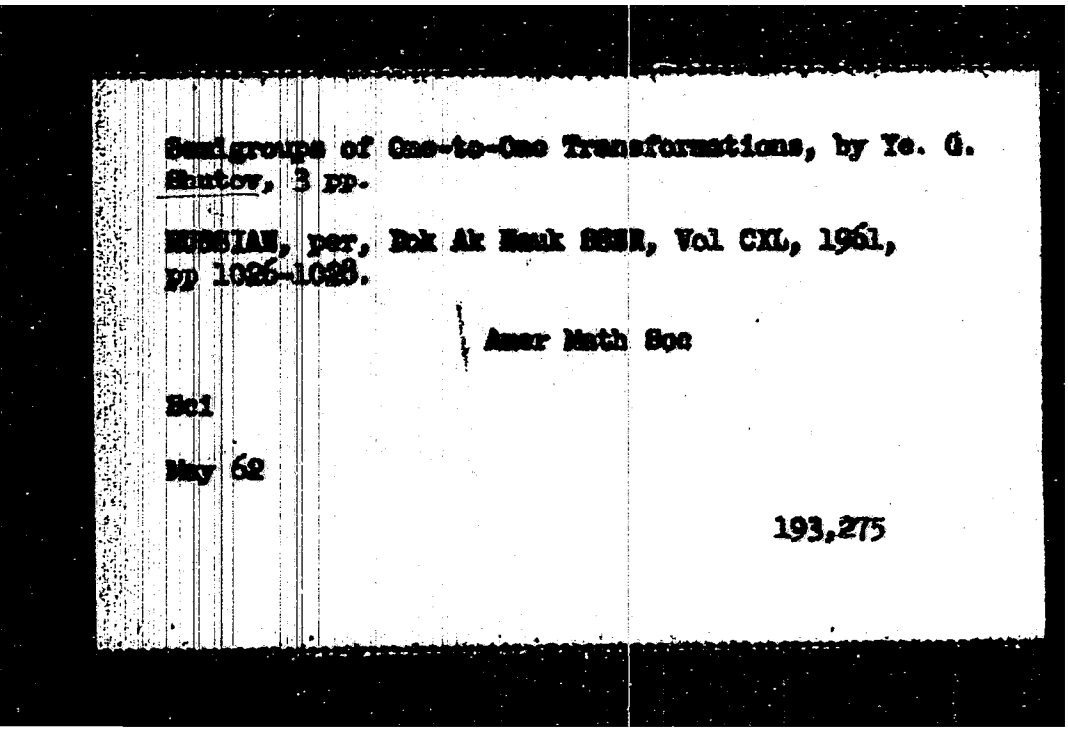

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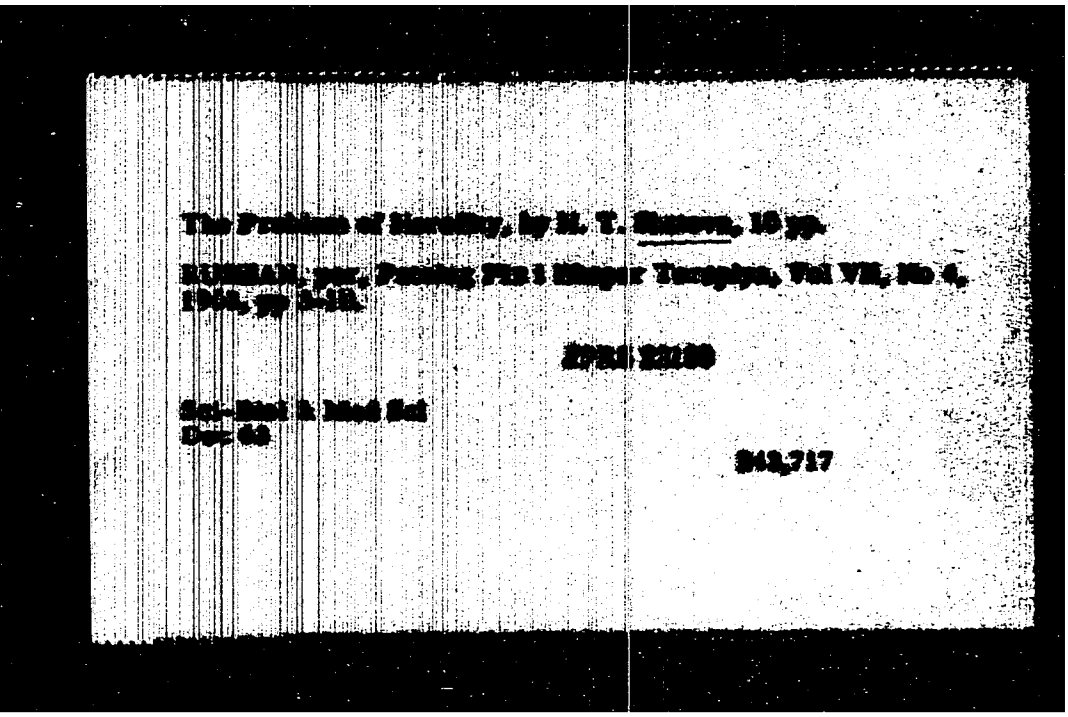

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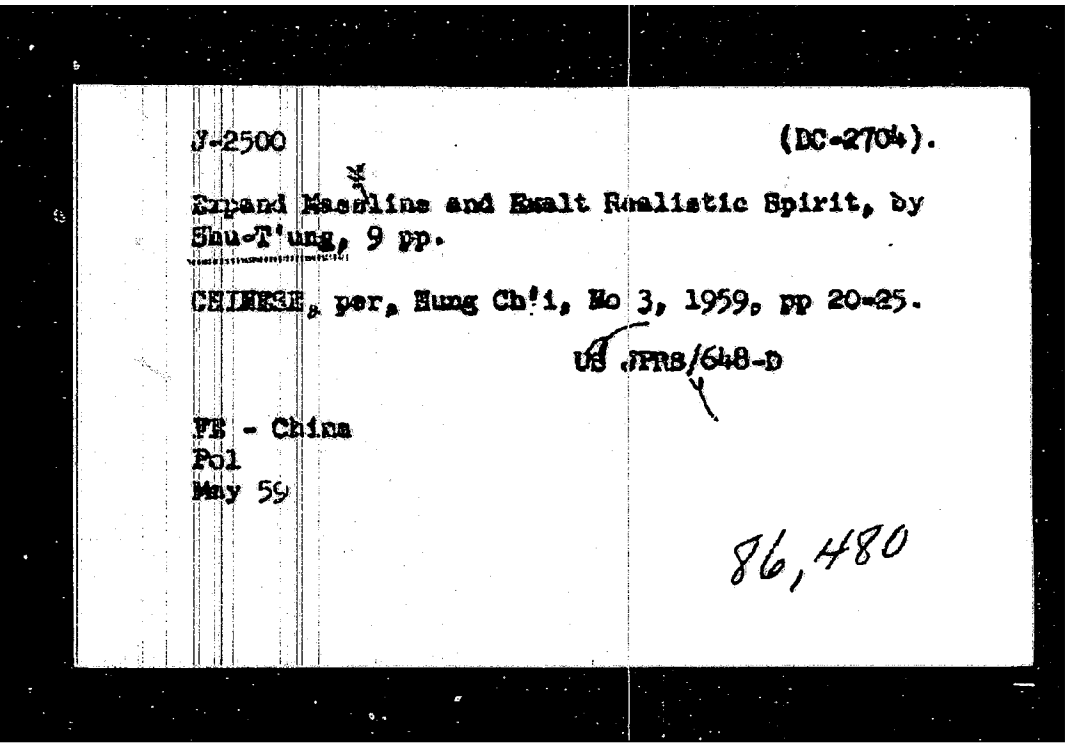

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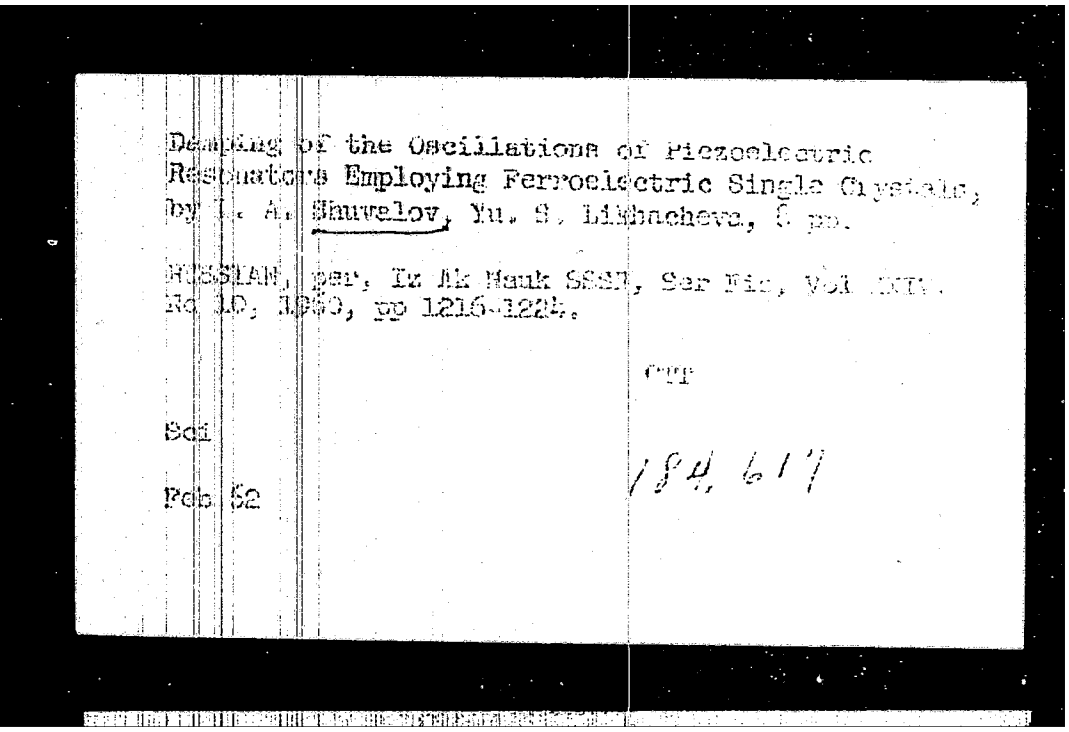

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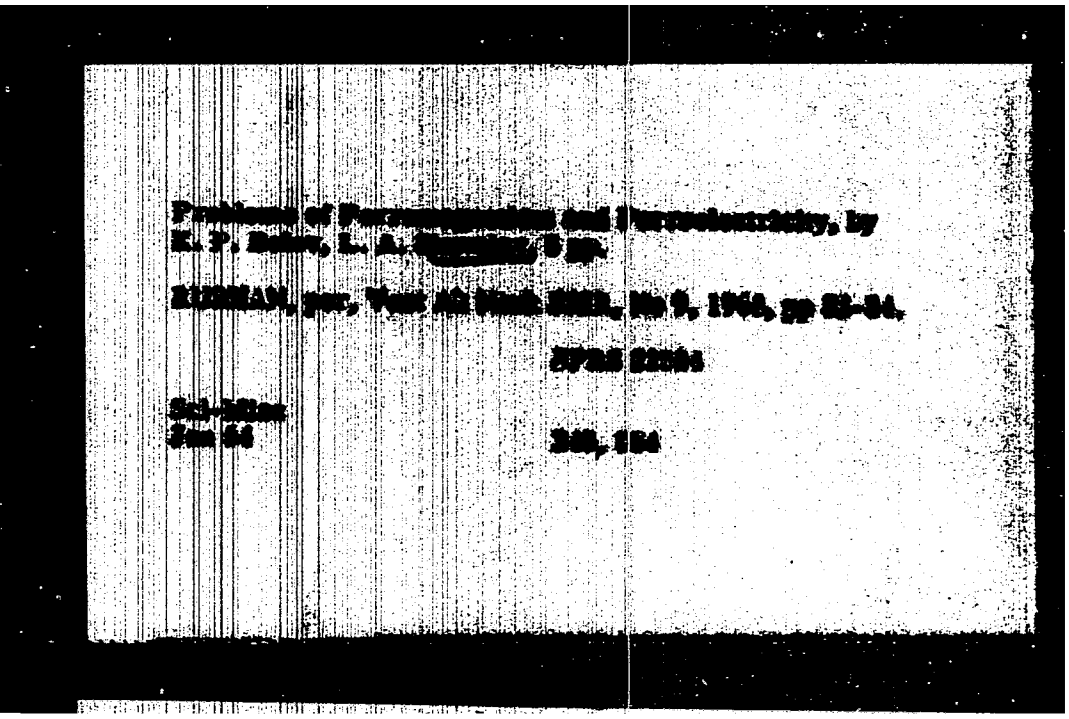

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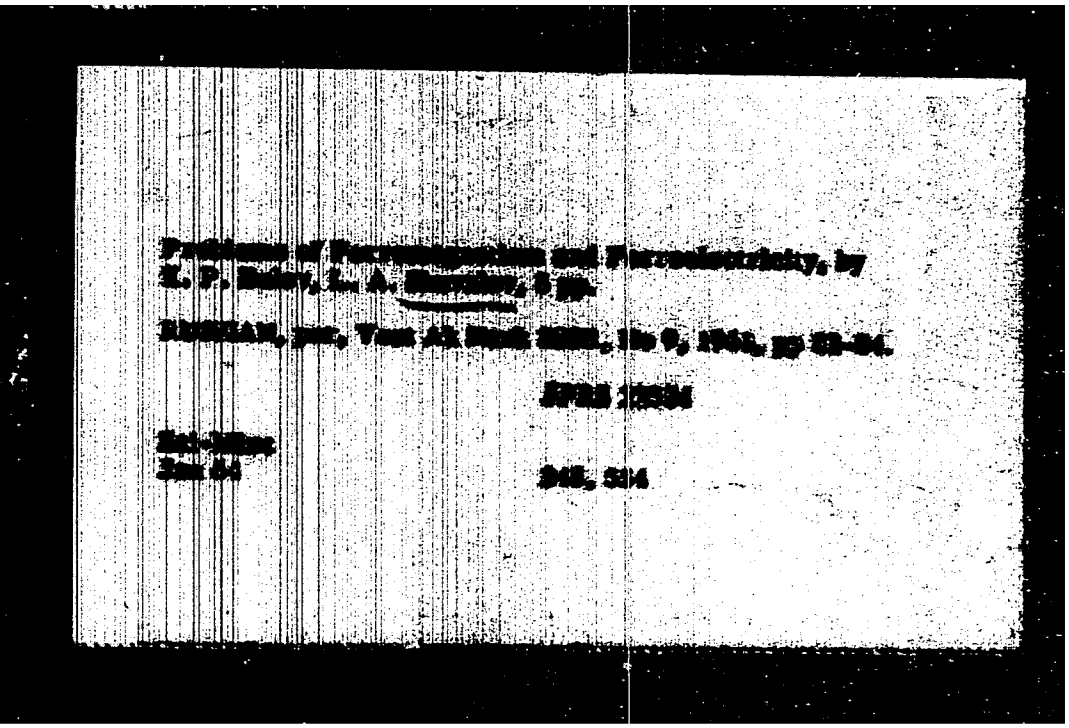

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JPRS 10318

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201500073-0

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AEC-tr-4581
PL-480

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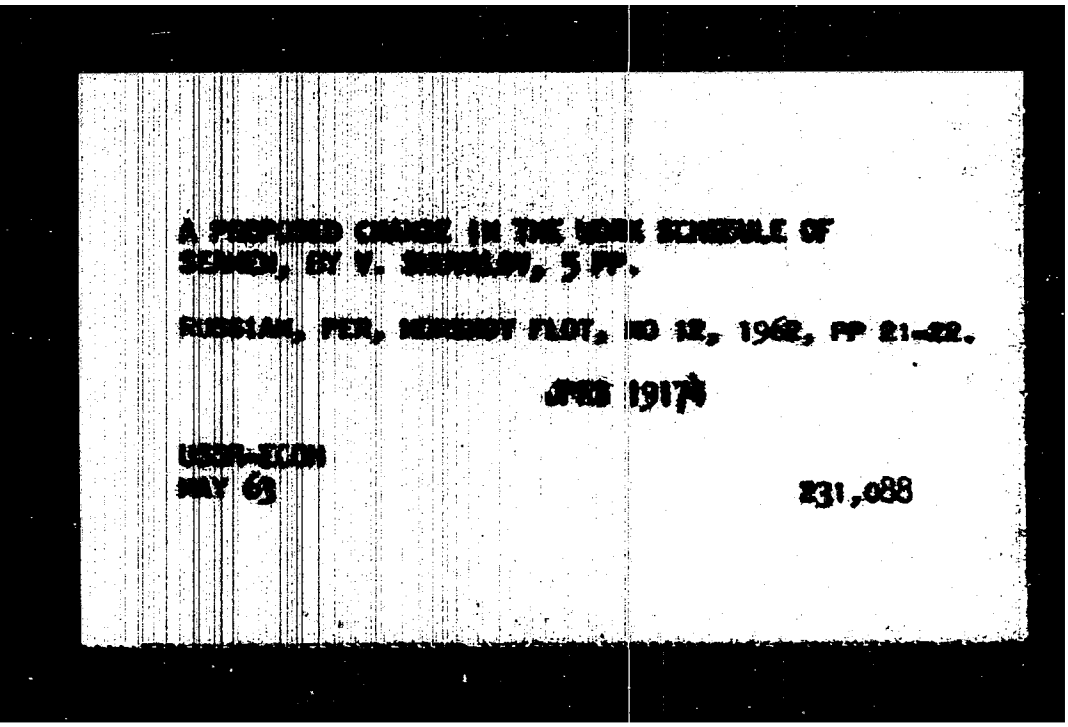

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201500073-0

Shuvalov, Yu. N.
INVESTIGATION OF ELECTRON DENSITY DISTRIBUTION IN A CRYSTAL [K Issledovaniyu Raspredeleniya Elektronnoi Plotnosti v Kristalle]. [1963] 9p.
Order from ATS $3.25 ATS-80Q70R

Trans. of Leningrad U. Vestnik (USSR) 1958, v. 13, no. 4, Ser[iya] Fiz[ika] i Khim[ii] [no. 1] p. 36-44.

DESCRIPTORS: *Crystals, *Electron density.

(Physics--Solid State, TT, v. 10, no. 11)

63-22159

I. Shuvalov, Yu. N.
II. ATS-80Q70R
III. Associated Technical Services, Inc., East Orange, N. J.

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Investigation of ~~EE~~lectron Density Distribution in a Crystal, by Yu. N. Shuvalov.

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ATS RJ-4112

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Electron Density Distribution in and Electric Conductivity of Cadmium Sulfide Crystals, by Yu. N. Shuvalov, 6 pp.

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Statics and Dynamics of Aureomycin and Terramycin Ion Exchange With Hydrogen and Sodium Ions on Cationites, by Gd. V. Samsonov, L. M. Shuvalova, M. P. Shesterikova, S. F. Lavrentyeva, V. S. Maslennikova, A. A. Kononova, V. V. Bokareva, 6 pp.

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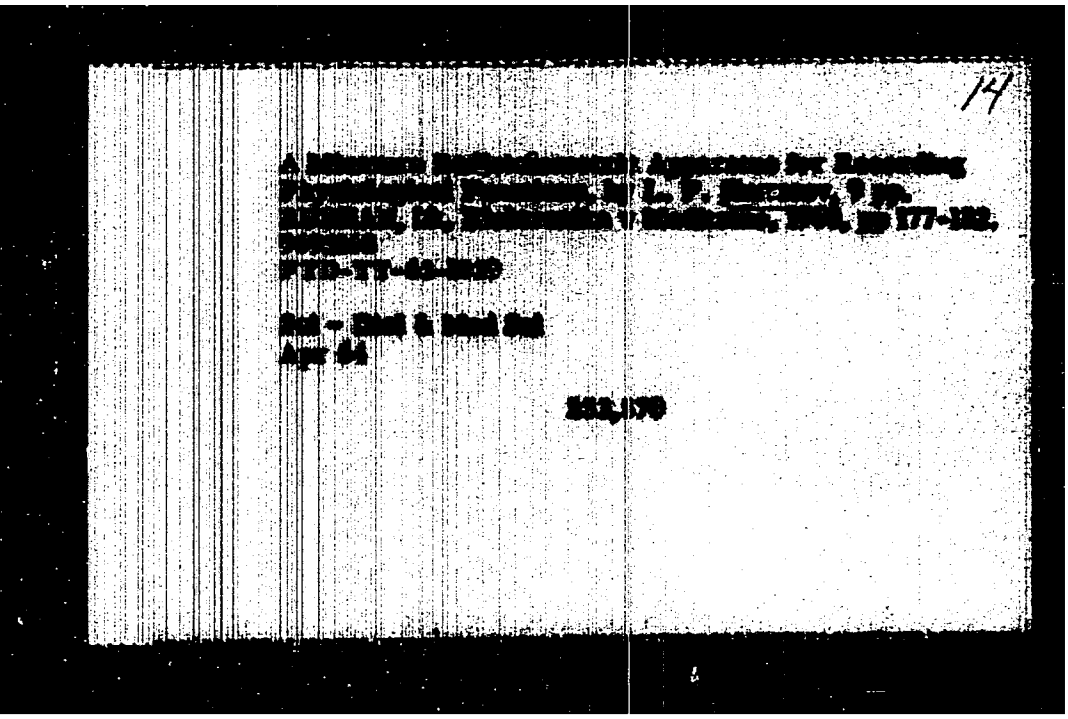

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201500073-0

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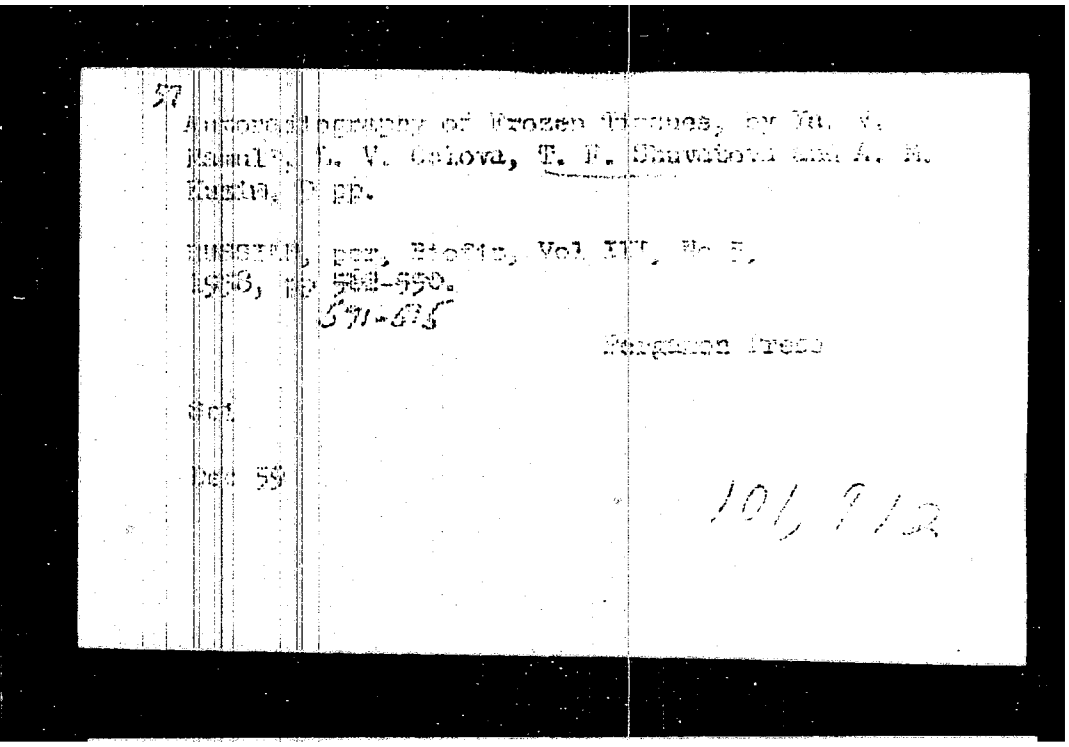

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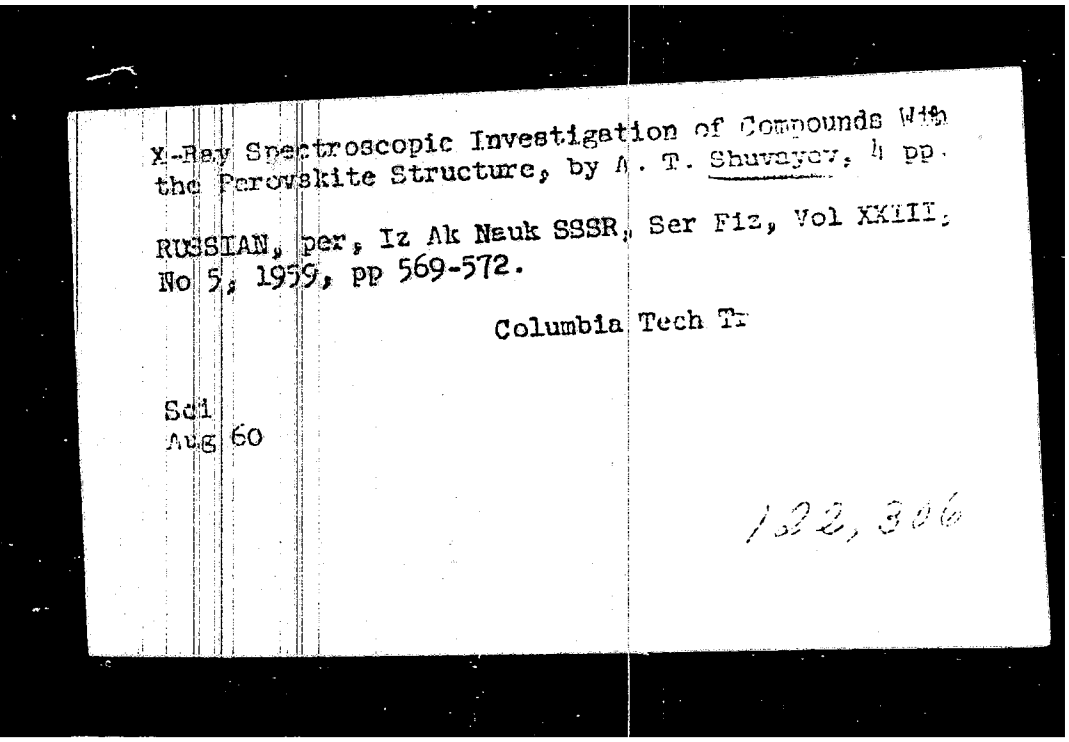

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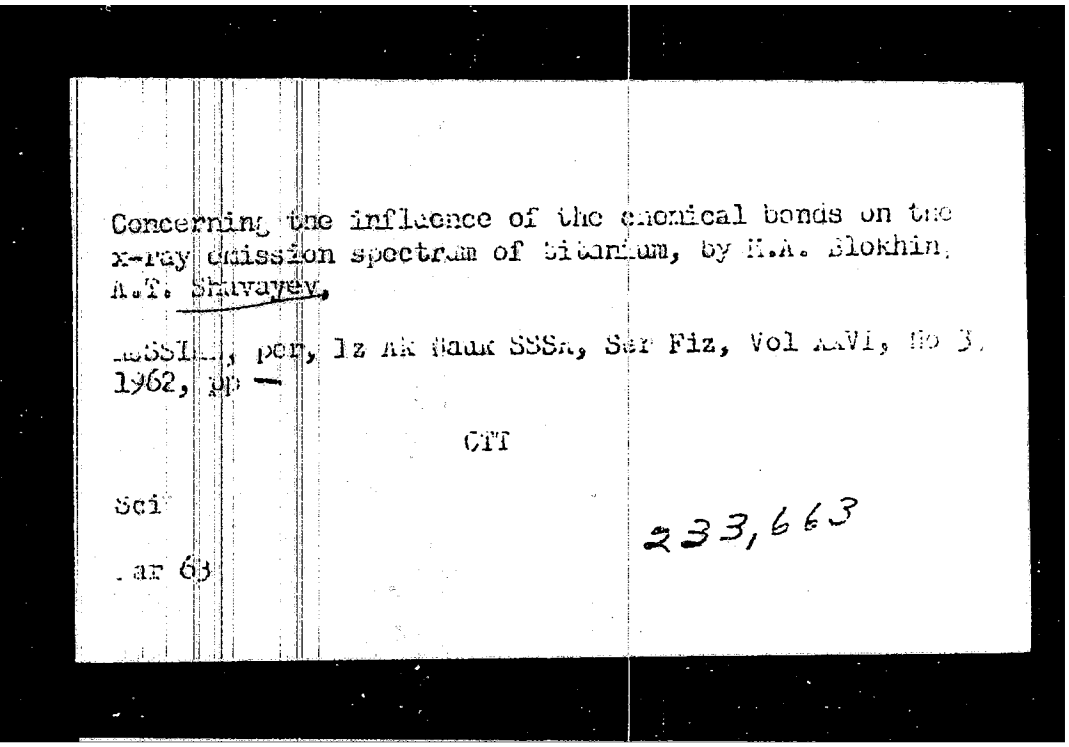

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Shuykin, N. I., Timofeyeva, Ye. A. and others.
THE COMPOSITION OF THE PRODUCTS OF DEHYDROGENATION OF C_6-C_9 n-ALKANES OVER AN ALUMINA-CHROMIA-POTASSIA CATALYST. [1961] 6p.
Order from ATS $7.50 ATS-27N50R

Trans. of *Akad[emiya] Nauk SSSR. Otdel[eniye] Khim[icheskikh] Nauk. Izvest[iya] 1960, no. 12, p. 2173-2177.

DESCRIPTORS: *Hydrocarbons, *Dehydrogenation, Catalysts, Hexanes, Octanes.

(Chemistry--Organic, TT, v. 6, no. 2)

61-22352

I. Shuykin, N. I.
II. Timofeyeva, Ye. A.
III. ATS-27N50R
IV. Associated Technical Services, Inc., East Orange, N. J.

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Ultraviolet Absorption Spectra of Coals of Various Degrees of Coalification, by Shuya Fujii.

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Catalytic Reduction of Phenylcarbinols into Aromatic Hydrocarbons, by N. I. Shuykin, I. F. Bel'skiy, 3 pp

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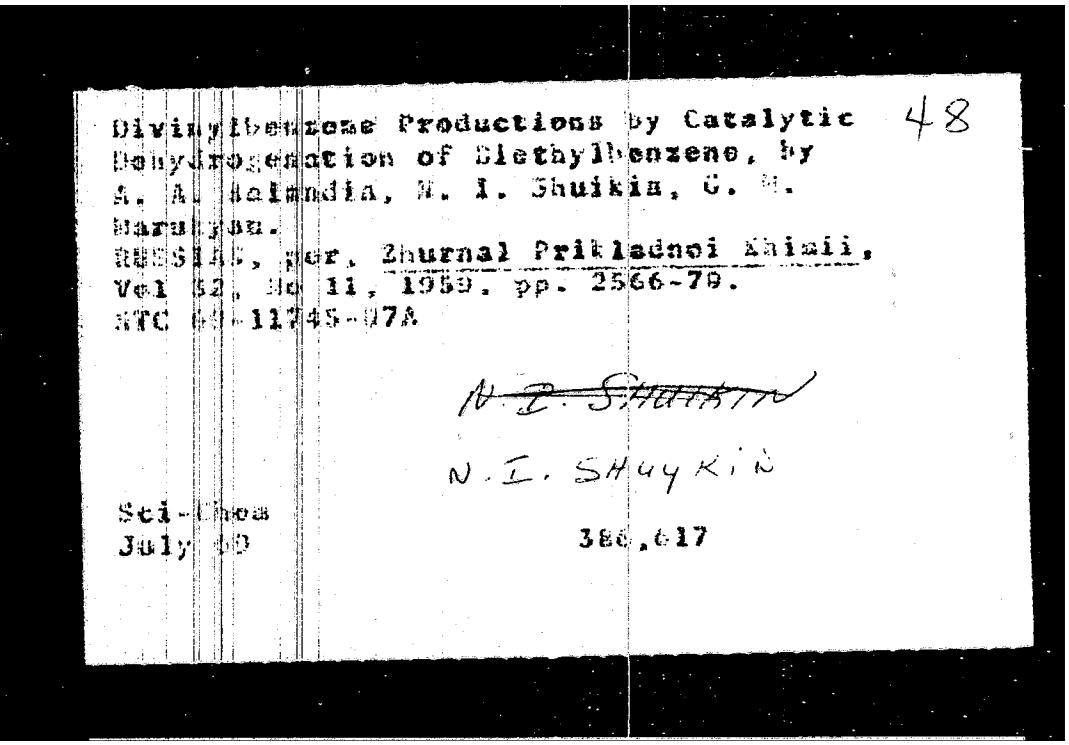

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NTC 61-11745-07A

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N. I. Shuikin

N. I. SHUYKIN

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Hydrogenation of Sylvan on Nickel Catalysts in the Liquid Phase, by N. I. Shuykin, I. F. Belitskiy, O. N. Savokina, 5 pp

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SLA 59-20293

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201500073-0

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Selective Demethylation of n-Alkanes Over a Skeletal Nickel-Aluminum Catalyst, by N. I. Shuykin, M. I. Cherkashin, 4 pp.

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Dehydrogenation of Hydrocarbons with Various [redacted] Structures, in the Presence of an Alumina-Chromia-Potassia Catalyst, by Ye. A. Timofeyeva, N. I. Shuykin, and others, 4 pp.

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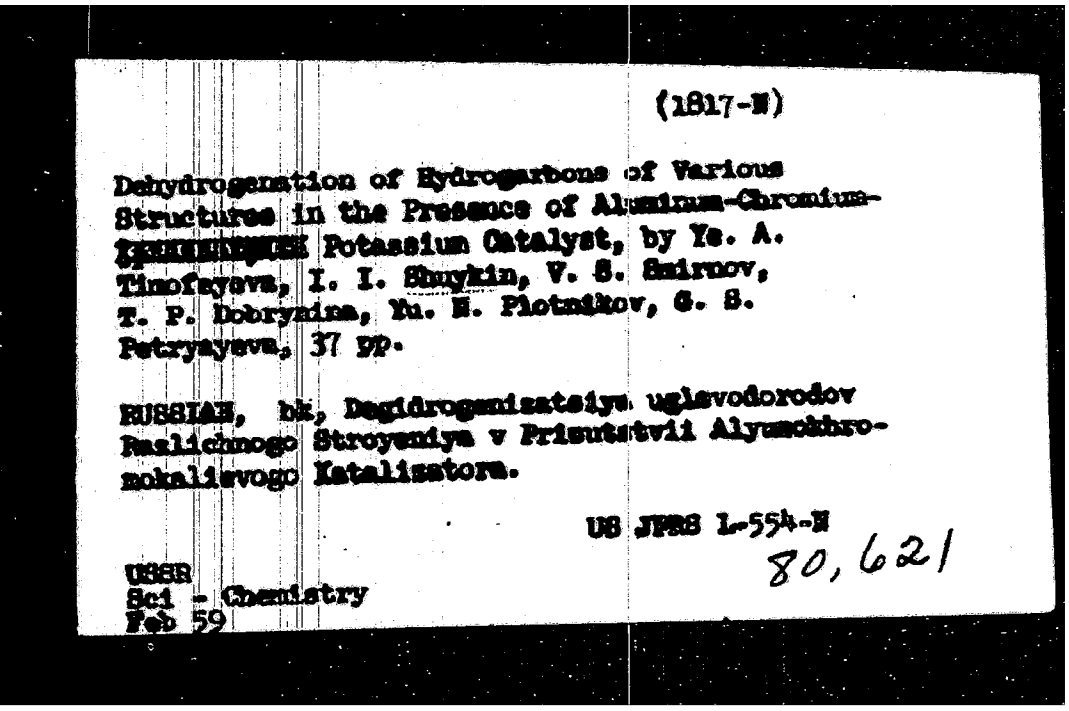

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Dehydrogenation of Hydrocarbons of Various Structures in the Presence of Aluminum-Chromium-[illegible] Potassium Catalyst, by Ye. A. Timofeyeva, I. I. Shuykin, V. S. Smirnov, T. P. Dobrynina, Yu. N. Plotnikov, G. S. Petryayeva, 37 pp.

RUSSIAN, nk, Degidrogenizatsiya uglevodorodov Razlichnogo Stroyeniya v Prisutstvii Alyumokhromokalievogo Katalizatora.

US JPRS L-554-N

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201500073-0

Transformations of n-Undecane in Presence of Various Group VIII Metals and Hydrogen Under Pressure in a Flow System, by Kh. M. Minachev, N. I. Shuykin, L. M. Feyofanova, Yu. P. Egorov, 6 pp.

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The Individual Composition and Antiknock Properties of Surakhany Gasoline, by N.I. Shuykin, S.S. Novikov, T.I. Naryshkina, B.A. Englin, 5 pp.

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Dehydrogenation of Pentane in Presence of a Mixed Aluminum Chromium Potassium Oxide Catalyst, by V. I. Shmykin, E. A. Timofeyva, V. M. Kleymenova, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 7, 1957, pp 875-877.

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Action of Ammonia on Cycloheptanone in Presence of a Nickel Catalyst, by M. A. Fogov, N. I. Shuykin, I. F. Belsky, 6 pp.

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201500073-0

Transformations of Toluene and Ethylbenzene in Presence of a Nickel-Alumina Catalyst and Hydrogen Under Pressure in a Flow System, by B. I. Shmykin, N. G. Berdnikova, L. K. Kashkovskaya, 4 pp.

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201500073-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201500073-0

Shulkin, N. I. and Naryshkina, T. I.
CATALYTIC DEHYDROGENATION OF PETROLEUM-METHYLCYCLO-PENTANE. [1963] 10p 20refs
Order from OTS, SLA, or ETC $1.10 TT-64-10102

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 4] p. 473-479. (Abstract available)

DESCRIPTORS: *Petroleum, *Cyclopentanes, Methyl radicals, *Dehydrogenation, Catalysis, *Catalysts, Aluminum compounds, Chromium compounds, Potassium compounds, Oxides, Activated carbon, *Cyclopentadiene, Production.

The reaction of dehydrogenation of the methylcyclo-propane fraction 69-75 C from Baku gasoline of straight distillation was investigated in the presence of different oxide catalysts and active carbon. It was established, that at 600 C, under a pressure reduced to 15-20 mm. Hg. and at a supply rate of 0.3 hour^{-1}, the yield in

(over)

TT-64-10102

I. Title: Methylcyclopentane
I. Shulkin, N. I.
II. Naryshkina, T. I.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201500073-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201500073-0

Shulkin, N. I., Timofeeva, E. A., Plotnikov, Yu. N., and others.
PRODUCTION OF ALKENES C_6-C_{10} BY CATALYTIC DEHYDROGENATION OF ALKANES. [1963] 17p 33refs Order from OTS, SLA, or ETC $1.60 TT-64-10107

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 4] p. 457-466. (Abstract available).

DESCRIPTORS: *Alkenes, *Hexenes, Production, *Alkanes, *Hexanes, *Dehydrogenation, *Catalysts, Catalysts, Aluminum compounds, Chromium compounds, Potassium compounds, Oxides.

Dehydrogenation of 2-methylpentane, 3-methylpentane and 2,3-dimethylbutane on alumina-chromia-potassia catalyst at 500 C and a space velocity of 0.5 hour^{-1} showed that C_6 alkanes, with a chain shorter than 6 C atoms, give easily 32 to 40% of alkenes in the catalyzate. Existence of two types active centers, dehy-
(Chemistry--Organic, TT, v. 11, no. 5) (over)

TT-64-10107

I. Shulkin, N. I.
II. Timofeeva, E. A.
III. Plotnikov, Yu. N.

Office of Technical Services

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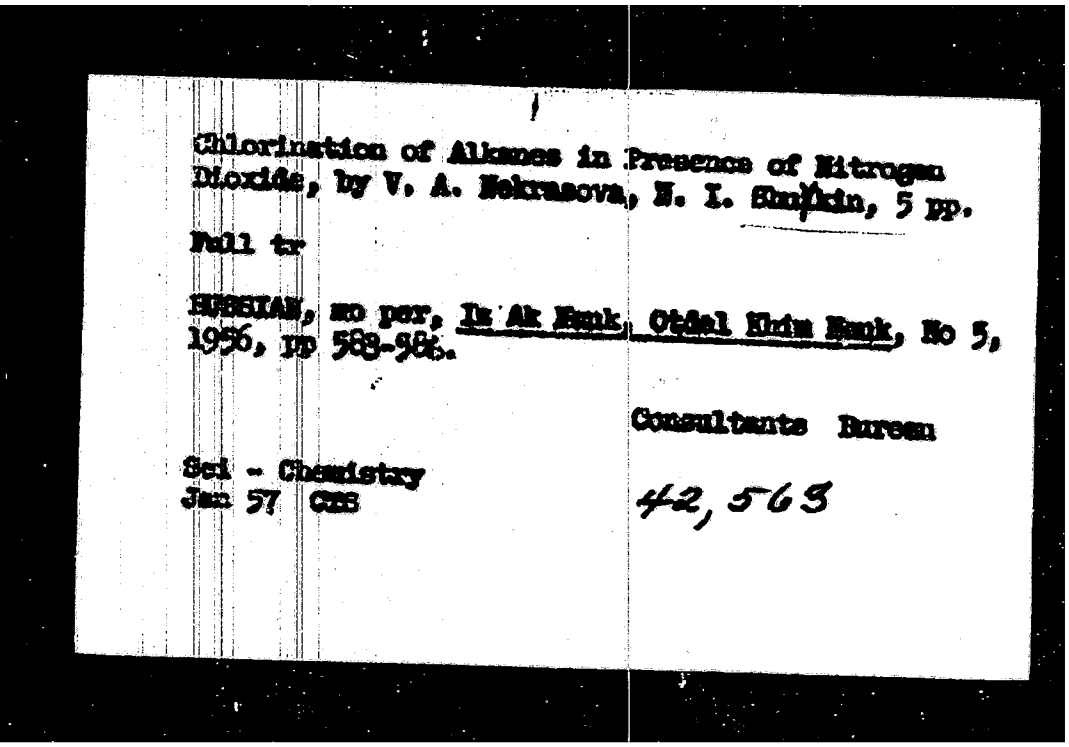

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